

**BY ORDER OF THE  
SECRETARY OF THE AIR FORCE**

**AIR FORCE INSTRUCTION 13-530**

**8 SEPTEMBER 2015**



***Nuclear, Space, Missile, Command and Control***

***INTERCONTINENTAL BALLISTIC MISSILE  
(ICBM) NUCLEAR OPERATIONS***

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction implements Air Force Policy Directive (AFPD) 13-5, *Air Force Nuclear Enterprise*, and establishes general Air Force (AF) guidance and responsibilities to organize, train, and equip forces to execute Intercontinental Ballistic Missile (ICBM) nuclear operations. This instruction applies to all Regular AF, Air Force Reserve (AFR) and Air National Guard (ANG) organizations, tasked with the responsibility to train, operate, maintain, control, safeguard, inspect, manage, account for or perform nuclear operations tasks. The authorities to waive wing/unit level requirements in this publication are identified with a Tier (T-0, T-1, T-2, or T-3) number following the compliance statement. Subordinate paragraphs carry the parent tiering unless otherwise specified. See Air Force Instruction (AFI) 33-360, Publications and Forms Management, Table 1.1 for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the Publication Office of Primary Responsibility (OPR) for non-tiered compliance items. Major Command (MAJCOM) instructions will contain additional, specific nuclear operations guidance unique to individual units and major weapons systems (MWS). Restrictions expressed in this instruction can be made more, but not less, restrictive by supplement. This publication may be supplemented by MAJCOMs with OPR approval. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, Management of Records, and disposed of IAW the Air Force Records Disposition Schedule (RDS) in the Air Force Records Information Management System (AFRIMS). Refer recommended changes and questions about this publication to the OPR using the AF Form 847, Recommendation for Change of Publication; route AF Form 847s from the field through the appropriate functional chain of command.

**Note:** This AFI provides broad guidance and cannot address every circumstance. Refer to applicable MAJCOM instruction for additional responsibilities.

***SUMMARY OF CHANGES***

This document includes significant changes that require complete review and incorporates AFI 33-360 guidance to include tier waiver requirements. Additionally, unnecessary figures were deleted and AFGSC ICBM Nuclear Operations Instructions Table was moved to Attachment 2.

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***Section A—General Information***

**1.1. Overview.** This AFI provides implementation guidance, and establishes responsibilities to safely, securely, and effectively conduct Minuteman III (MM III) ICBM nuclear operations. In carrying out ICBM nuclear operations, the AF:

1.1.1. Provides a credible operational nuclear capability by promoting a professional culture of excellence in accountability, rigorous self assessment, and uncompromising standards.

1.1.2. Organizes, trains, and equips an ICBM force for nuclear combat operations to support Combatant Command (CCMD) missions and requirements, to include exercise participation in accordance with the Department of Defense (DoD) Exercise Program.

1.1.3. Conforms to CCMD unique organizational structures when under functional command to facilitate alert posture and centralized nuclear command and control (NC2).

**1.2. Mission.** The AF nuclear mission is to maintain, sustain, posture, deploy and employ nuclear weapons in a safe, secure, and effective manner that serves as a credible, recognized assurance to friends and allies, and deterrence to adversaries. Air Force nuclear operations are conducted in support of national objectives as refined by Combatant Commanders (CCDRs) requirements, and are supported through Nuclear Deterrence Operations (NDO). These operations include the day-to-day training and exercises to prepare AF combat forces to conduct nuclear operations and execute nuclear strikes, when directed.

1.2.1. The AF nuclear mission supports strategic, operational, and tactical operations by providing flexible nuclear deterrence and assurance capabilities to CCDRs, the Secretary of Defense (SecDef), the President of the United States (US) and our allies.

1.2.2. The AF nuclear mission support personnel ensure combat crews are provided equipment, materials and training to enhance readiness, facilitate planning, build war fighting capability, and execute assigned missions.

**1.3. Nuclear Execution Authority.** The President of the US or his/her lawful successor retains sole authority for the employment and termination of nuclear options.

**1.4. Support to Joint/Combined Operations.** AF nuclear operations support joint operations based on Operations Plans (OPLAN) requirements. AF nuclear capabilities provide flexible nuclear options to CCDRs and underpin US national security strategy.

**1.5. Compliance.** Commanders and personnel at all levels will ensure compliance with:

1.5.1. This AFI and approved MAJCOM functional/activity-specific instructions. (T-1).

1.5.2. CCDR, AF and MAJCOM directives, OPLANs, Support Plans (SPLANs), Operations Orders (OPORD), and procedures. (T-1).

**1.6. Classification and Security Information.** Control, protect and disseminate nuclear and nuclear related IAW AFI 31-401, *Information Security Program Management*. (T-1).

**1.7. Key Words Explained.**

1.7.1. "Will" and "shall" indicate a mandatory requirement.

1.7.2. "Should" indicates a preferred, but not mandatory, method of accomplishment.

1.7.3. "May" indicates an acceptable or suggested means of accomplishment.

1.7.4. "Note" indicates operating procedures, techniques, etc., which are considered essential to emphasize.

**1.8. Additional Instructions.** MAJCOMs will augment this instruction with MAJCOM publications and are the approving authority for MAJCOM and below-level publications.

1.8.1. MAJCOMs coordinate their publications (to include all Interim Changes and Guidance Memorandums) with AF Nuclear Capabilities Division Chief (AF/A10-C), AF Planning, Policy and Strategy Division Chief (AF/A10-P), AF Director of Logistics (AF/A4-L) and AF Security Forces Division Chief (AF/A4-S) before publication and forward one copy to AF/A10-C after publication.

1.8.2. ..MAJCOM (or other) level publications may be more restrictive but will not be less restrictive than this instruction.

1.8.3. ..MAJCOM publications are to be formatted IAW in AFI 33-360, *Publications and Forms Management*.

**1.9. Waiver Authority.** AF/A10 is the waiver authority for this instruction. Request waivers to basic guidance in this instruction through applicable channels to MAJCOM/A10 or equivalent level. MAJCOM/A10 or equivalent forwards a request in message or memo format to AF/A10, with a courtesy copy to AF/A10-C. Waivers to MAJCOM instructions are handled by the MAJCOM generating the instruction.

## ***Section B—Roles & Responsibilities.***

### **2.1. Headquarters AF (HAF).**

#### **2.1.1. Director of Public Affairs, Office of Security of the Air Force (SAF/PA).**

2.1.1.1. AF Public Affairs activities shall contribute to DoD objectives by communicating information about all AF nuclear enterprise activities to domestic, international, and internal audiences, IAW DoD Instruction (DoDI) 5160.70, *Management of DoD Language and Regional Proficiency Capabilities*, and DoD Directive (DoDD) 5230.16, *Nuclear Accident and Incident Public Affairs Guidance*.

2.1.1.2. When delegated from Assistant Secretary of Defense for Public Affairs (OASD/PA), SAF/PA retains the responsibility for all public information regarding all AF nuclear activities, weapons accidents and significant incidents, to include ICBM nuclear operations.

2.1.1.3. In coordination with OASD/PA, SAF/PA provides public affairs guidance and instructions to ensure timely and uniform implementation of the DoD approved policies to establish and conduct efficient and effective procedures for the release of information to the public in the event of nuclear accidents, improvised nuclear devices (IND) incidents, or nuclear weapon significant incidents.

**2.1.2. Assistant Chief of Staff (ACS) for Strategic Deterrence and Nuclear Integration (AF/A10).** AF/A10 is the oversight authority for AF nuclear operations policy, guidance, directives, and advocacy. AF/A10 will:

2.1.2.1. Ensure standardization of nuclear policy, guidance, and advocacy which impact nuclear operations.

2.1.2.2. Monitor and review MAJCOM nuclear support plans and programs to ensure CCMD requirements are met.

- 2.1.2.3. Coordinate with MAJCOMs to ensure nuclear operations support is available to accomplish operational commander's objectives.
  - 2.1.2.4. Coordinate with MAJCOMs to ensure resources, training and personnel are available to support ICBM operations.
  - 2.1.2.5. Oversee nuclear capabilities and skill sets contained within each MAJCOM.
  - 2.1.2.6. Advocate integration of ICBM nuclear operations into joint force exercises.
  - 2.1.2.7. Function as AF point of contact for NC2-Extremely Sensitive Information (NC2-ESI) and Personnel Reliability Program policy and guidance.
  - 2.1.2.8. Conduct/host AF ICBM nuclear operations conferences as required.
  - 2.1.2.9. Monitor and review MAJCOM instructions, weapons systems and program instructions to ensure MAJCOM policies, guidance and instructions are adequate and consistent with this directive.
  - 2.1.2.10. Set policy to prescribe management and maintenance practices for coding Key Nuclear Enterprise manpower positions possessing specific attributes important to the nuclear enterprise on the Unit Manpower Document.
- 2.1.3. **AF Chief of Safety (AF/SE).** As the AF functional lead responsible for nuclear weapon surety oversight IAW DoDD 3150.02, *DoD Nuclear Weapon Surety Program*, AF/SE will:
- 2.1.3.1. Oversee the incorporation of DoD Nuclear Weapon System Safety Program standards into AF guidance and operations.
  - 2.1.3.2. Manage the AF Nuclear Weapons Surety program IAW AFI 91-101, *Air Force Nuclear Weapons Surety Program*.
  - 2.1.3.3. Chair and manage the Nuclear Weapon System Surety Group IAW AFI 91-102, *Nuclear Weapon System Safety Studies, Operational Safety Reviews, and Safety Rules*.
  - 2.1.3.4. Write 91-series nuclear surety publications and as Executive Secretary for the AF Nuclear Weapon System Surety Group submits the weapons system safety rules for Under Secretary of Defense (USD) for Acquisition, Technology, and Logistics (AT&L) for approval.
  - 2.1.3.5. Provide Nuclear Safety Design Certification for all AF nuclear systems IAW AFI 91-103, *Air Force Safety Design Certification Program*.
  - 2.1.3.6. Direct implementation of the Tamper Detection Program IAW AFI 91-104, *Nuclear Surety Tamper Control and Detection Programs*, and Two-Person Concept rules IAW AFI 91-105, *Critical Components*.
  - 2.1.3.7. Manage the Unauthorized Launch Studies program per AFI 91-106, *Unauthorized Launch, Threat Mitigation, and Launch Action Studies*.
  - 2.1.3.8. Oversee the AF Nuclear Mishap Prevention Program and direct reporting and investigation of nuclear mishaps IAW AFI 91-204, *Safety Investigations and Reports*, and AFMAN 91-221, *Weapons Safety Investigations and Reports*.

**2.2. MAJCOM ICBM Nuclear Operations Responsibilities.** MAJCOM commanders with ICBM nuclear mission responsibilities and equities will ensure safe, secure, and effective operations including day-to-day responsibility for nuclear forces. It is imperative that commanders at all levels promote a professional culture of excellence, accountability, rigorous self-assessment, and uncompromising standards. Therefore, MAJCOMs providing direct or indirect support for the ICBM nuclear operations mission will:

2.2.1. Determine roles and responsibilities of intermediate/subordinate headquarters' organizations.

2.2.2. Manage resources and provide training to personnel in subordinate organizations for nuclear operations.

2.2.3. Develop and manage nuclear operations capabilities and skill sets to ensure effective application during deliberate planning, adaptive planning and contingency execution.

2.2.4. Conduct nuclear functional expert visits with experienced subject matter experts to assist units in implementing programs. The purpose of these visits is to allow MAJCOM functionals to respond to requests for assistance and/or review of unit programs.

2.2.5. Coordinate nuclear operations exercise activity and participation requirements IAW AFI 10-204, *Participation in Joint and National Exercises*.

2.2.5.1. Provide assistance to subordinate Numbered Air Forces (NAFs)/units in addressing exercise-related training, manpower, equipment and communication requirements.

2.2.5.2. Provide a nuclear operations focal point for participation in Chairman of the Joint Chiefs of Staff (CJCS) sponsored joint and combined exercises.

2.2.6. Establish and coordinate system requirements with and among subordinate and gained organizations.

2.2.6.1. Advocate fielding of systems and related training, connectivity and maintenance.

2.2.6.2. Ensure simultaneous availability of developed training and technical support for every fielded nuclear system and nuclear support system.

2.2.6.3. Develop formal feedback, upgrade, acquisition and product improvement processes.

2.2.7. Provide policy and guidance pertaining to the utilization of AFR and ANG units.

2.2.8. Ensure readiness reporting requirements for nuclear operations are appropriately covered in the Status of Resources and Training System (SORTS), the Air and Space Expeditionary Force (AEF) Unit Type Code (UTC) Reporting Tool (ART), and the Defense Readiness Reporting System (DRRS).

2.2.9. Provide a nuclear operations focal point for deliberate planning, review and evaluation of applicable annexes within Joint Chiefs of Staff (JCS) and Higher Headquarters (HHQ) wartime OPLANs, policy and guidance.

2.2.10. Issue subordinate publications to implement applicable AF instructions.

2.2.11. Manage/control planning, programming, distributing and execution of ICBM nuclear related resources.

2.2.12. Establish an OPR to manage Nuclear Weapon System Evaluation Program (NucWSEP).

2.2.13. Provide nuclear operations support to AF research, development, test, sustainment and planning.

2.2.14. Establish an OPR to develop and implement nuclear operations training programs.

2.2.15. Ensure MAJCOM Public Affairs office implements DoD approved policies IAW DoDI 5400.13, *Public Affairs Operations*, and AFI 35-104, *Media Operations*, to establish and conduct efficient and effective procedures for the release of nuclear activity information to the public (domestic, international), to include nuclear accidents, IND incidents, or nuclear weapon significant incidents.

2.2.16. Adhere to their Nuclear Command, Control, and Communications (NC3) responsibilities as outlined in AFI 13-550, *Air Force Nuclear Command, Control, and Communications (NC3)*.

**2.3. Commander, Air Education and Training Command (AETC/CC)** will conduct initial skills and supplemental training for personnel conducting ICBM operations, security, maintenance and NC3.

**2.4. Commander, Air Force Global Strike Command (AFGSC/CC).** As the service force provider for the MM III and Airborne Launch Control System (ALCS), AFGSC will:

2.4.1. Develop nuclear support plans, policies, and procedures to conduct and sustain nuclear operations.

2.4.2. Establish uniform guidance and procedures across their portion of the nuclear enterprise required at the operational level to meet commander's objectives.

2.4.2.1. Publish guidance for standardized nuclear mission materials for operational use.

2.4.2.2. Develop a minimum list of nuclear operations documents and products for units; assist in producing these documents and products.

2.4.3. Develop policy and guidance required for effectively training, evaluating, and certifying/qualifying combat crews (ICBM and ALCS), test operators, code controllers, code handlers and support personnel.

2.4.4. Ensure training and certification/qualification records adhere to standards established in AFMAN 33-363.

2.4.5. Ensure operational procedures contained in technical orders (TO) checklists, and operations manuals are standardized, accurate, and effective for mission accomplishment.

2.4.6. Develop supplemental policy and guidance regarding AFGSC Operations Review Boards (ORB). Provide cradle-to-grave management and oversight of ORB process.

2.4.7. Develop supplemental policy and guidance consistent with CJCS and United States Strategic Command (USSTRATCOM) directives on training, certification, evaluation, coding and code handling procedures, contingency procedures, emergency procedures, and procedures for reporting violations to codes and Emergency Action Procedures (EAP) guidance.

2.4.8. Define and establish Assignment Availability Codes (AAC) IAW AFI 36-2110, *Assignments*, for Missile Combat Crew (MCC) and Missile Combat Crew-Airborne (MCC-A) officers.

2.4.9. Establish an OPR to manage ICBM Operational Test and Evaluation (OT&E) programs.

2.4.10. Monitor, assess, and report to USSTRATCOM on unit capability to implement OPLAN requirements.

2.4.11. Be prepared to execute nuclear operations by developing appropriate policies and procedures.

2.4.12. Be prepared to coordinate on USSTRATCOM policy and procedures.

2.4.13. Establish specific requirements for certifying officials, crewmembers, controllers, and other specialties as needed to accomplish their prospective nuclear mission. AFGSC is responsible for establishing a certification program to ensure all crew members are capable of executing all mission sets.

2.4.14. Report IAW AFI 10-206, *Operational Reporting*, Emergency Action Procedures-Strategic Command (EAP-STRAT) Vol 11, *LERTCON Reporting* (Classified), EAP-STRAT Vol 12, *Nuclear Operations Reporting*, and STRATCOM Instruction (SI) 501-14, *Strategic Force Accounting Procedures* (Classified).

2.4.15. Provide the appropriate numbers and types of personnel to execute USSTRATCOM OPLAN requirements.

**2.5. Commander, Air Force Materiel Command (AFMC/CC) will:**

2.5.1. Perform life cycle management, to include acquisition and modernization efforts for ICBM weapon systems IAW AFI 63-101/20-101, *Integrated Life Cycle Management*, and AFI 63-103, *Joint Air Force National Nuclear Security Administration (AF-NNSA) Nuclear Weapons Life Cycle Management*.

2.5.2. Provide sustainment for ICBM weapon systems including storage, transportation, depot repair/maintenance, disposal and management of equipment spares.

2.5.3. Support ICBM developmental test and evaluation, OT&E, and aging surveillance activities.

2.5.4. Develop applicable technologies and conduct research and development in support of ICBM sustainment and modernization.

**2.6. Commander, Air Force Space Command (AFSPC/CC) will direct and develop supplemental policy and guidance, advocate funding, and oversee launch and range operations from the Western Range (WR) to support the ICBM operational test launch (OTL) program.**

**2.7. Unit Commanders will:**



2.7.1. Be prepared to generate training and other off alert sorties to alert IAW OPOD Global Citadel (Classified). AF Units will notify USSTRATCOM of any deviations via Task Force (TF) 214. (T-1).

2.7.2. Advise AFGSC of any issues that would affect their ability to accomplish their nuclear mission.

### ***Section C—Nuclear Publications***

**3.1. AFGSC Nuclear Operations Publications.** AFGSC shall publish the following MAJCOM ICBM Nuclear Operations Instructions to augment this instruction:

3.1.1. AFGSC instructions (AFGSCI) will, at a minimum, include applicable procedures for:

3.1.1.1. Rapid Execution and Combat Targeting (REACT) Crew Training. Define roles, responsibilities and minimum requirements for REACT mission-ready training programs for employment of the MM III.

3.1.1.2. REACT Crew Standardization and Evaluation. Define roles and responsibilities for REACT standardization and evaluation programs which measure the proficiency of personnel, procedures and equipment, and verify procedures are trained properly to support mission accomplishment.

3.1.1.3. REACT Crew Operations. Define roles, responsibilities and minimum requirements for REACT mission-ready operations for employment of the MM III ICBM.

3.1.1.4. REACT Emergency War Order (EWO) Training and Evaluation. Define roles, responsibilities and minimum requirements for REACT mission-ready training and evaluation programs for MM III EWO procedures.

3.1.1.5. Missile Alert Facility (MAF) Management. Define roles, responsibilities and provides guidance to Facility Managers (FM) for the operation and management of MAFs.

3.1.1.6. ALCS Crew Training. Define roles, responsibilities and minimum requirements for ALCS mission-ready training programs.

3.1.1.7. ALCS Crew Standardization and Evaluation. Define roles and responsibilities for ALCS standardization and evaluation programs which measure the proficiency of personnel, procedures and equipment, and verify procedures are trained properly to support mission accomplishment.

3.1.1.8. ALCS EWO Training and Evaluation. Define roles, responsibilities and minimum requirements for mission-ready training and evaluation programs for ALCS EWO procedures.

3.1.1.9. ICBM OT&E. Define roles and responsibilities for ICBM OT&E, to include evaluating the operational effectiveness and suitability of system modifications or upgrades prior to initial fielding. This instruction shall also identify various assessment or evaluation methods used for operational testing (e.g.: Force Development Evaluation [FDE]; Tactics Development and Evaluation [TD&E]).

3.1.1.9.1. OT&E Crew Training. Define roles, responsibilities and minimum requirements for OT&E mission certification training programs for MMIII and weapon system testing.

3.1.1.9.2. OT&E Crew Standardization and Evaluation. Define roles and responsibilities for OT&E standardization and evaluation programs which measure the proficiency of personnel, procedures and equipment, and verify procedures are trained properly to support mission accomplishment.

3.1.1.9.3. Define roles, responsibilities, and minimum requirements for ICBM and associated weapon system OT&E TF procedures.

3.1.1.10. Describe responsibilities for all organizations responsible for operating, maintaining, repairing, constructing, and altering ICBM Real Property/Real Property Installed Equipment (RP/RPIE).

3.1.1.11. Capabilities-Based Test and Evaluation (T&E). Define roles, responsibilities and concepts for early tester involvement and collaboration in Capabilities-Based T&E and their supporting programs.

3.1.1.12. Software Procedures. Define roles, responsibilities and minimum requirements for software development and management in support of ICBM operations.

3.1.1.13. Generation and Targeting – ICBM (GATI). Define roles and responsibilities for GATI requirements to support USSTRATCOM OPLAN 801X-FY, or other situations in which nuclear weapons may be needed to achieve US objectives.

3.1.1.14. ICBM Codes Operations. Define roles, responsibilities and establishes policies for the day-to-day conduct of missile control/code section activities and the training, certification and evaluation of code handlers and code controllers.

3.1.1.15. Code Controller and Handler Standardization, Evaluation and Training. Define certification, standardization, evaluation, and training of code controllers and handlers.

3.1.2. AFGSC publications listed in Attachment 2 are provided as reference to identify current titles and OPRs. Publication nomenclature and OPR are subject to change at the discretion of AFGSC.

GARRETT HARENCAK, Maj Gen, USAF  
ACS, Strategic Deterrence and Nuclear Integration

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 10-204, *Participation in Joint and National Exercises*, 21 April 2010

AFI 10-206, *Operational Reporting*, 11 June 2014

AFI 31-401, *Information Security Program Management*, 1 November 2005

AFI 33-360, *Publications and Forms Management*, 25 September 2013

AFI 35-104, *Media Operations*, 22 January 2010

AFI 36-2110, *Assignments*, 22 September 2009

AFI 63-101/20-101, *Integrated Life Cycle Management*, 7 March 2013

AFI 63-103, *Joint Air Force National Nuclear Security Administration(AF-NNSA) Nuclear Weapons Life Cycle Management*, 24 September 2008

AFI 63-125, *Nuclear Certification Program*, 8 August 2012

AFI 91-101, *Air Force Nuclear Weapons Surety Program*, 15 August 2014

AFI 91-102, *Nuclear Weapon System Safety Studies, Operational Safety Reviews, And Safety Rules*, 25 February 2014

AFI 91-104, *Nuclear Surety Tamper Control and Detection Programs*, 23 April 2014

AFI 91-105, *Critical Components*, 2 August 2013

AFI 91-106, *Unauthorized Launch, Threat Mitigation, and Launch Action Studies*, 13 August 2010

AFI 91-204, *Safety Investigations and Reports*, 12 February 2014

AFGSCI 13-5301v1, *Rapid Execution and Combat Targeting (REACT) Crew Training and Certification*, 23 October 2013

AFGSCI 13-5301v2, *Rapid Execution and Combat Targeting (REACT) Crew Standardization and Evaluation*, 18 October 2013

AFGSCI 13-5301v3, *Rapid Execution and Combat Targeting (REACT) Crew Operations*, 16 May 2011

AFGSCI 13-5301v4, (S) *Rapid Execution and Combat Targeting (REACT) Emergency War Order (EWO) Training and Evaluation Procedures (U)*, 22 February 2013

AFGSCI 13-5301v5, *Wing Code Controller and Handler Standardization, Evaluation and Training*, 29 November 2012

AFGSCI 13-5302v1, *Airborne Launch Control System (ALCS) Crew Training*, 17 November 2011

AFGSCI 13-5302v2, *Airborne Launch Control System (ALCS) Crew Standardization*

*and Evaluation*, 12 October 2011

AFGSCI 13-5302v4, (S) *ALCS Emergency War Order (EWO) Training and Evaluation Procedures* (U), 1 August 2011

AFGSCI 13-5303v1, *Intercontinental Ballistic Missile (ICBM) and Weapon System Testing Personnel Training*, 9 October 2012

AFGSCI 13-5303v2, *Intercontinental Ballistic Missile (ICBM) and Weapon System Testing Personnel Standardization and Evaluation*, 10 October 2012

AFGSCI 13-5303v3, *Intercontinental Ballistic Missile (ICBM) Operational Test and Evaluation Task Force Operations*, 9 October 2012

AFGSCI 13-5304, (S) *Emergency War Order (EWO) Generation and Targeting – Intercontinental Ballistic Missile (ICBM) (GATI)* (U), 1 October 2012

AFGSCI 13-5305, *Missile Facility Management*, 25 April 2013

AFGSCI 13-5306, *Intercontinental Ballistic Missile (ICBM) Software Procedures*, 25 March 2013

AFGSCI 32-1005, *Intercontinental Ballistic Missile (ICBM) Real Property/Real Property Installed Equipment (RP/RPIE) Responsibilities*, 25 August 2010

AFGSCI 99-102, *Intercontinental Ballistic Missile (ICBM) Operational Test and Evaluation (OT&E)*, 2 March 2011

AFMAN 33-363, *Management of Records*, 1 March 2008

AFMAN 91-221, *Weapons Safety Investigations and Reports*, 8 November 2010

AFPD 13-5, *Air Force Nuclear Enterprise*, 6 July 2011

DoDD 3150.02, *DoD Nuclear Weapons Surety Program*, 24 April 2013

DoDD 5230.16, *Nuclear Accident and Incident Public Affairs Guidance*, 20 December 1993

DoDI 5160.70, *Management of DoD Language and Regional Proficiency Capabilities*, 12 June 2007

DoDI 5400.13, *Public Affairs Operations*, 15 October 2008

EAP-STRAT, Volume 11, (S) *LERTCON System* (U), 1 April 2013

EAP-STRAT, Volume 12, *Nuclear Operations Reporting*, 15 April 2011

JP 1-02, *Department of Defense Dictionary of Military and Associated Terms*, 8 November 2010

SI 501-14, (S) *Strategic Force Accounting Procedures* (U), 1 October 2008

### ***Adopted Form***

AF Form 847, *Recommendation for Change of Publication*

### ***Abbreviations and Acronyms***

**625 STOS**—625th Strategic Operations Squadron

**AAC**—Assignment Availability Code

**ACS**—Assistant Chief of Staff  
**ADCON**—Administrative Control  
**AEF**—Air and Space Expeditionary Force  
**AETC**—Air Education & Training Command  
**AF**—Air Force  
**AF/SE**—Air Force Chief of Safety  
**AFGSC**—Air Force Global Strike Command  
**AFGSCI**—Air Force Global Strike Command Instruction  
**AFI**—Air Force Instruction  
**AFMAN**—Air Force Manual  
**AFMC**—Air Force Materiel Command  
**AFPD**—Air Force Policy Directive  
**AFR**—Air Force Reserve  
**AFRIMS**—Air Force Records Information Management System  
**AFSPC**—Air Force Space Command  
**ALCS**—Airborne Launch Control System  
**ANG**—Air National Guard  
**ART**—AEF UTC Reporting Tool  
**AT&L**—Acquisition, Technology, and Logistics  
**C2**—Command and Control  
**CCDR**—Combatant Commander  
**CCMD**—Combatant Command  
**CJCS**—Chairman of the Joint Chiefs of Staff  
**COCOM**—Combatant Command (command authority)  
**DoD**—Department of Defense  
**DoDD**—Department of Defense Directive  
**DoDI**—Department of Defense Instruction  
**DRRS**—Defense Readiness Reporting System  
**EAM**—Emergency Action Message  
**EAP**—Emergency Action Procedures  
**EAP-STRAT**—Emergency Action Procedures-Strategic Command  
**EWO**—Emergency War Order

**FDE**—Force Development Evaluation  
**FM**—Facility Manager  
**GATI**—Generation and Targeting, ICBMs  
**HAF**—Headquarters Air Force  
**HHQ**—Higher Headquarters  
**IAW**—In Accordance With  
**ICBM**—Intercontinental Ballistic Missile  
**IND**—Improvised Nuclear Device  
**JCS**—Joint Chiefs of Staff  
**JFCC-GS**—Joint Functional Component Command-Global Strike  
**JP**—Joint Publication  
**LCC**—Launch Control Center  
**LF**—Launch Facility  
**MAF**—Missile Alert Facility  
**MAJCOM**—Major Command  
**MCC**—Missile Combat Crew  
**MCC-A**—Missile Combat Crew-Airborne  
**MM III**—Minuteman III  
**MWS**—Major Weapon System  
**NAF**—Numbered Air Force  
**NC2**—Nuclear Command & Control  
**NC2-ESI**—Nuclear Command & Control-Extremely Sensitive Information  
**NC3**—Nuclear Command, Control and Communications  
**NDO**—Nuclear Deterrence Operations  
**NuCWSEP**—Nuclear Weapon System Evaluation Program  
**OASD/PA**—Office of the Assistant Secretary of Defense, Public Affairs  
**OPCON**—Operational Control  
**OPLAN**—Operational Plan  
**OPORD**—Operations Order  
**OPR**—Office of Primary Responsibility  
**ORB**—Operations Review Board  
**OT&E**—Operational Test & Evaluation

**OTL**—Operational Test Launch

**RDS**—Records Disposition Schedule

**REACT**—Rapid Execution and Combat Targeting

**RP/RPIE**—Real Property/Real Property Installed Equipment

**RV**—Re-entry Vehicle

**SAF/PA**—Secretary of the Air Force, Public Affairs

**SecDef**—Secretary of Defense

**SI**—STRATCOM Instruction

**SORTS**—Status of Resources and Training System

**SPLANS**—Support Plan

**STOS**—Strategic Operation Squadron

**TACON**—Tactical Control

**T&E**—Test and Evaluation

**TD&E**—Tactics Development and Evaluation

**TF**—Task Force

**TO**—Technical Order

**US**—United States

**USAF**—United States Air Force

**USD**—Under Secretary of Defense

**USN**—United States Navy

**USSTRATCOM**—United States Strategic Command

**UTC**—Unit Type Code

**WR**—Western Range

### ***Terms***

**Airborne Launch Control System (ALCS).**—The ALCS provides a survivable Command and Control (C2) capability for launch of MM III ICBMs. The ALCS is capable of injecting preparatory launch, enable, and execute launch commands directly to the launch facility/ies [LF(s)] to achieve launch. It also has the ability to inject inhibit launch commands to prevent an unauthorized launch. The platform also serves as a communication relay for emergency action messages (EAMs). The ALCS should not be confused with the US Navy (USN) E-6B Mercury Strategic Command Airborne Command Post aircraft that the system is hosted on. The E-6B aircraft serves in multiple roles to perform the USSTRATCOM nuclear mission. The ALCS capability is one of the resident systems configured on the E-6B that provides survivable C2 of the MM III. The aircraft is owned and operated by the USN (as TF-124), but the ALCS equipment is owned by the AF, and is operated by MCC-As from the 625th Strategic Operation

Squadron (STOS) and Joint Functional Component Command-Global Strike (JFCC-GS) J317 in executing USSTRATCOM missions. USSTRATCOM maintains operational control (OPCON) and tactical control (TACON) of the E-6B, while administrative control (ADCON) is administered by the respective services, USN and AF.

**Codes.**—Codes provide positive control and nuclear surety for the MM III weapon system and ALCS. Codes protect information used to target, enable, and launch an ICBM. This includes the encryption/decryption of critical status communications between the Launch Control Centers and LFs and supports the secondary execution capability of the ALCS. All functions use National Security Administration produced crypto-variables controlled through both environment design and procedural safeguards to ensure no lone individual can gain access to a complete squadron launch or enable code.

**Deterrence.**—The prevention of action by the existence of a credible threat of unacceptable counteraction and/or belief that the cost of action outweighs the perceived benefits. (JP 1-02)

**Minuteman III Intercontinental Ballistic Missile (MM III ICBM).**—The LGM-30G MM III ICBM is an offensive, three-stage strategic missile capable of delivering reentry vehicles (RVs) to independent, pre-selected targets. Key characteristics of the weapon system are rapid execution, high accuracy, low vulnerability, and a high in-commission/on-alert rate. The missile is approximately 60 feet long, 5.5 feet in diameter, and weighs approximately 80,000 pounds. Each missile is equipped with an onboard guidance computer system capable of transitioning from day-to-day ground functions to an operational flight control mode. The MM III ICBM weapon system is currently in the operations and support phase of the acquisition process and is in the sustainment phase of the weapon system's life cycle.

**Operational Test & Evaluation (OT&E).**—Testing and evaluation conducted in as realistic an operational environment as possible to estimate the prospective system's operational effectiveness, suitability, and operational capabilities. In addition, OT&E provides information on organization, personnel requirements, doctrine, and tactics. It may also provide data to support or verify material in operating instructions, publications, and handbooks.

**Western Range (WR).**—Headquartered at Vandenberg AFB CA, the 30th Space Wing conducts spacelift, missile test and other test and evaluation operations from the WR on California's central coast. The WR supports southern trajectory space launches capable of achieving polar orbits and western launching ICBM test launches. The WR also supports USN Submarine Launched Ballistic Missile and Missile Defense Agency tests.



## Attachment 2

TABLE A2.1. AFGSC PUBLICATIONS

Publication	Title	OPR
AFGSCI 13-5301, Volume 1	<i>Rapid Execution and Combat Targeting (REACT) Crew Training and Certification</i>	AFGSC/A3IA
AFGSCI 13-5301, Volume 2	<i>Rapid Execution and Combat Targeting (REACT) Standardization and Evaluation</i>	AFGSC/A3IA
AFGSCI 13-5301, Volume 3	<i>Rapid Execution and Combat Targeting (REACT) Standardization and Evaluation</i>	AFGSC/A3IA
AFGSCI 13-5301, Volume 4	<i>Rapid Execution and Combat Targeting (REACT) Emergency War Order (EWO) Training and Evaluation Procedures</i>	AFGSC/A3IN
AFGSCI 13-5301, Volume 5	<i>Wing Code Controller and Handler Standardization, Evaluation and Training</i>	AFGSC/A3IA
AFGSCI 13-5302, Volume 1	<i>Airborne Launch Control System (ALCS) Crew Training</i>	AFGSC/A3IA
AFGSCI 13-5302, Volume 2	<i>Airborne Launch Control System (ALCS) Crew Standardization and Evaluation</i>	AFGSC/A3IA
AFGSCI 13-5302, Volume 4	<i>ALCS Emergency War Order (EWO) Training and Evaluation Procedures</i>	AFGSC/A3IN
AFGSCI 13-5303, Volume 1	<i>Intercontinental Ballistic Missile (ICBM) and Weapon System Testing Personnel Training</i>	AFGSC/A3IA
AFGSCI 13-5303, Volume 2	<i>Intercontinental Ballistic Missile (ICBM) and Weapon System Testing Personnel Standardization and Evaluation</i>	AFGSC/A3IA
AFGSCI 13-5303, Volume 3	<i>Intercontinental Ballistic Missile (ICBM) Operational Test and Evaluation Task Force Operations</i>	AFGSC/A3IT
AFGSCI 13-5304	<i>Emergency War Order (EWO) Generation and Targeting – Intercontinental Ballistic Missile (ICBM) (GATI)</i>	AFGSC/A3IN
AFGSCI 13-5305	<i>Missile Facility Management</i>	AFGSC/A3IA
AFGSCI 13-5306	<i>Intercontinental Ballistic Missile (ICBM) Software Procedures</i>	AFGSC/A3IA
AFGSCI 32-1005	<i>Intercontinental Ballistic Missile (ICBM) Real Property/Real Property Installed Equipment (RP/RPIE) Responsibilities</i>	AFGSC/MES
AFGSCI 99-102	<i>Intercontinental Ballistic Missile (ICBM) Operational Test and Evaluation (OT&amp;E)</i>	AFGSC/A3IT